A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D491/22 C07D471/14 A61K31/47 //(C07D491/22,307:00,
221:00,221:00,209:00),(C07D471/14,221:00,221:00,209:00),
(C07D491/22,313:00,221:00,221:00,209:00)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

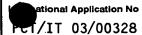
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DALLAVALLE S; MERLINI L; PENCO S; ZUNINO F: "Perspecivs in camptothecin development" EXPERT OPINION ON THERAPEUTIC PATENTS, vol. 12, no. 6, 2002, pages 837-844, XP002251117 page 840, paragraphs 3.3,3.4 -page 841 page 842, right-hand column starting with "The combination of favourable modifications"	1,2,4, 13-18
Y	WO 97 00876 A (PLA RODAS FRANCESC; BIGG DENNIS (FR); POMMIER JACQUES (FR); ULIBAR) 9 January 1997 (1997-01-09) cited in the application Compounds of general formula I and data on pages 61 to 65	1,4

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A' document defining the general state of the art which is not considered to be of particular relevance E' earlier document but published on or after the international filing date L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means P' document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other: such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 17 November 2003	Date of mailing of the international search report 0 9, 12, 03
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer GOSS, I





		PCT/IT 03/00328
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2001/008939 A1 (MERLINI LUCIO ET AL) 19 July 2001 (2001-07-19) page 3, left-hand column, paragraph 30 -page 8, right-hand column, paragraph 168	1,4
X	DAVID BOM, DENNIS P. CURRAN, ASHOK J.CHAVAN, STEFAN KRUSZEWSKI, STEPHEN G. ZIMMER, KIMBERLY A. FRALEY, AND THOMAS G.BURKE: "Novel A,B,E-Ring-Modified Camptothecins Displayin High Lipophilicity and Markedly improved Human Blood Stabilities" JOURNAL OF MEDICINAL CHEMISTRY, vol. 42, - 1999 pages 3018-3022, XP002251118 the whole document	1,2,4, 13-18
Α	EP 1 044 977 A (IST NAZ STUD CURA DEI TUMORI ;SIGMA TAU IND FARMACEUTI (IT)) 18 October 2000 (2000-10-18) cited in the application the whole document	1-18
X	HERTZBERG R P ET AL: "Modification of the hydroxy lactone ring of camptothecin: Inhibition of mammalian topoisomerase I and biological activity" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 32, no. 3, 1989, pages 715-720, XP002014409 ISSN: 0022-2623 Scheme II, derivative 12 and Table I on page 717	1,3,5,8

INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/IT 03/00328

·	<u> </u>		·			03/00328
	Patent document cited in search report		Publication date		Patent family member(s)	Publication date
	WO 9700876	Α	09-01-1997	AT	224900 T	15-10-2002
				AU	716377 B2	24-02-2000
				AU	6460896 A	22-01-1997
			•	BR	9608639 A	29-06-1999
				CA	2225528 A1	09-01-1997
				CN	1432571 A	30-07-2003
				CN	1192740 A ,B	09-09-1998
				CZ	9704153 A3	12-08-1998
				DE	69623961 D1	31-10-2002
				DE	69623961 T2	08-05-2003
				DK	835258 T3	03-02-2003
				ΕP	1251125 A2	23-10-2002
-				ΕP	0835258 A1	15-04-1998
				ES	2184882 T3	16-04-2003
				WO	9700876 A1	09-01-1997
				IL	122635 A	31-10-2001
				JP	11508249 T	21-07-1999
				NO	975988 A	19-02-1998
				NZ	312715 A	28-01-2000
				PL	324339 A1	25-05-1998
				PT	835258 T	28-02-2003
ŀ				RO	117918 B1	30-09-2002
				RU	2164515 C2	27-03-2001
				TW	457234 B	01-10-2001
				US	2002160994 A1	31-10-2002
				US US	2003004150 A1 6313135 B1	02-01-2003
				US	6339091 B1	06-11-2001 15-01-2002
1				US	5981542 A	09-11-1999
				ZA	9605318 A	24-01-1997
				ĪĹ	128044 A	30-04-2001
	US 2001008939	A1	19-07-2001	EP	1044977 A1	
	00 2001000555	7.1	19 07 2001	ĀT	216998 T	18-10-2000 15-05-2002
				ΑÜ	3160400 A	28-09-2000
1				BG	105810 A	28-06-2002
				BR	0008840 A	08-01-2002
Ì				CA	2362760 A1	14-09-2000
i				CN	1343209 T	03-04-2002
				CZ	20013077 A3	16-01-2002
				DE	69901379 D1	06-06-2002
				DE	69901379 T2	07-11-2002
1				DK	1044977 T3	08-07-2002
ľ				EA	3605 B1	26-06-2003
İ				ΕE	200100466 A	16-12-2002
				MO	0053607 A1	14-09-2000
				ES	2175919 T3	16-11-2002
		_	· · · · · · · · · · · · · · · · · · ·	HK UD	1031222 A1	09-05-2003
1				HR	20010667 A1	31-08-2002
				JP	0200210 A2 2002539128 T	29-05-2002
1				NO	2002539128 T	19-11-2002 24-08-2001
1				NZ	513393 A	29-04-2003
				PT	1044977 T	30-09-2002
}				SI	1044977 T1	
				SK	11642001 A3	31-08-2002
			•	TR	200102603 T2	07-01-2002
				US	6242457 B1	21-01-2002 05-06-2001
L				US	024243/ DI	05-00-2001
Form PCT/ISA	V210 (patent family annex) (July 19	2021				

INTERMATIONAL SEARCH REPORT

formation on patent family members

PCT/IT 03/00328

		PC1/11 U3/UU328			
Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2001008939	A1		ZA	200107408 A	12-03-2002
EP 1044977	A	18-10-2000	EP	1044977 A1	18-10-2000
			ΑT	216998 T	15-05-2002
			ΑU	3160400 A	28-09-2000
			BG	105810 A	28-06-2002
			BR	0008840 A	08-01-2002
			CA	2362760 A1	14-09-2000
			CN	1343209 T	03-04-2002
			CZ	20013077 A3	16-01-2002
			DE	69901379 D1	06-06-2002
			DE	69901379 T2	07-11-2002
			DK	1044977 T3	08-07-2002
			EΑ	3605 B1	26-06-2003
			EE	200100466 A	16-12-2002
			WO	0053607 A1	14-09-2000
			ES	2175919 T3	16-11-2002
			ΗK	`1031222 A1	09-05-2003
		man frager	HR	20010667 A1	31-08-2002
			HU	0200210 A2	29-05-2002
			JP	2002539128 T	19-11-2002
			NO	20014128 A	24-08-2001
			NZ	513393 A	29-04-2003
			PT	1044977 T	30-09-2002
			SI	1044977 T1	31-08-2002
			SK	11642001 A3	07-01-2002
			TR	200102603 T2	21-01-2002
			บร	6242457 B1	05-06-2001
			US	2001008939 A1	19-07-2001
			ZA	200107408 A	12-03-2002